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FEDERAL - STATE - PRIVATE
COOPERATIVE
**SNOW SURVEY and WATER SUPPLY FORECASTS
for
NEVADA**

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above
in cooperation with the Federal, State and private organizations listed
on the last page of this report.

AS OF
FEB. 1, 1960

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY AND WATER SUPPLY FORECAST REPORTS:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
COLORADO AND STATE OF UTAH	MONTHLY (JAN.-MAY)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER AND OTHER AGENCIES
COLUMBIA AND STATES OF IDAHO AND ALASKA	MONTHLY (JAN.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
UPPER MISSOURI AND STATE OF MONTANA	MONTHLY (FEB.-MAY)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
WEST-WIOE	OCT. 1, APR. 1, MAY 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ARIZONA	SEMI-MONTHLY (JAN. 15 - APR. 1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOCIATION ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. AGR. EXP. STATION COLO. STATE ENGINEER N. MEX. STATE ENGINEER
NEVADA	MONTHLY (FEB.-APR.)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-MAY)	PORTLAND, OREGON	ORE. AGR. EXP. STATION OREGON STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-MAY)	SPOKANE, WASHINGTON	WASH. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

Copies of these various reports may be secured from: Head, Water Supply Forecasting Section
Soil Conservation Service
209 S. W. Fifth Ave., Portland 4, Oregon

PUBLISHED BY OTHER AGENCIES

<u>REPORT</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	COMPTROLLER, WATER RIGHTS BR., DEPT. OF LANDS AND FORESTS, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIFORNIA DEPT. OF WATER RESOURCES, SACRAMENTO, CALIFORNIA

FEDERAL - STATE COOPERATIVE
SNOW SURVEYS AND WATER SUPPLY FORECASTS

For

N E V A D A

Report Prepared

By

Manes Barton
and
Roy E. Malsor, Jr.

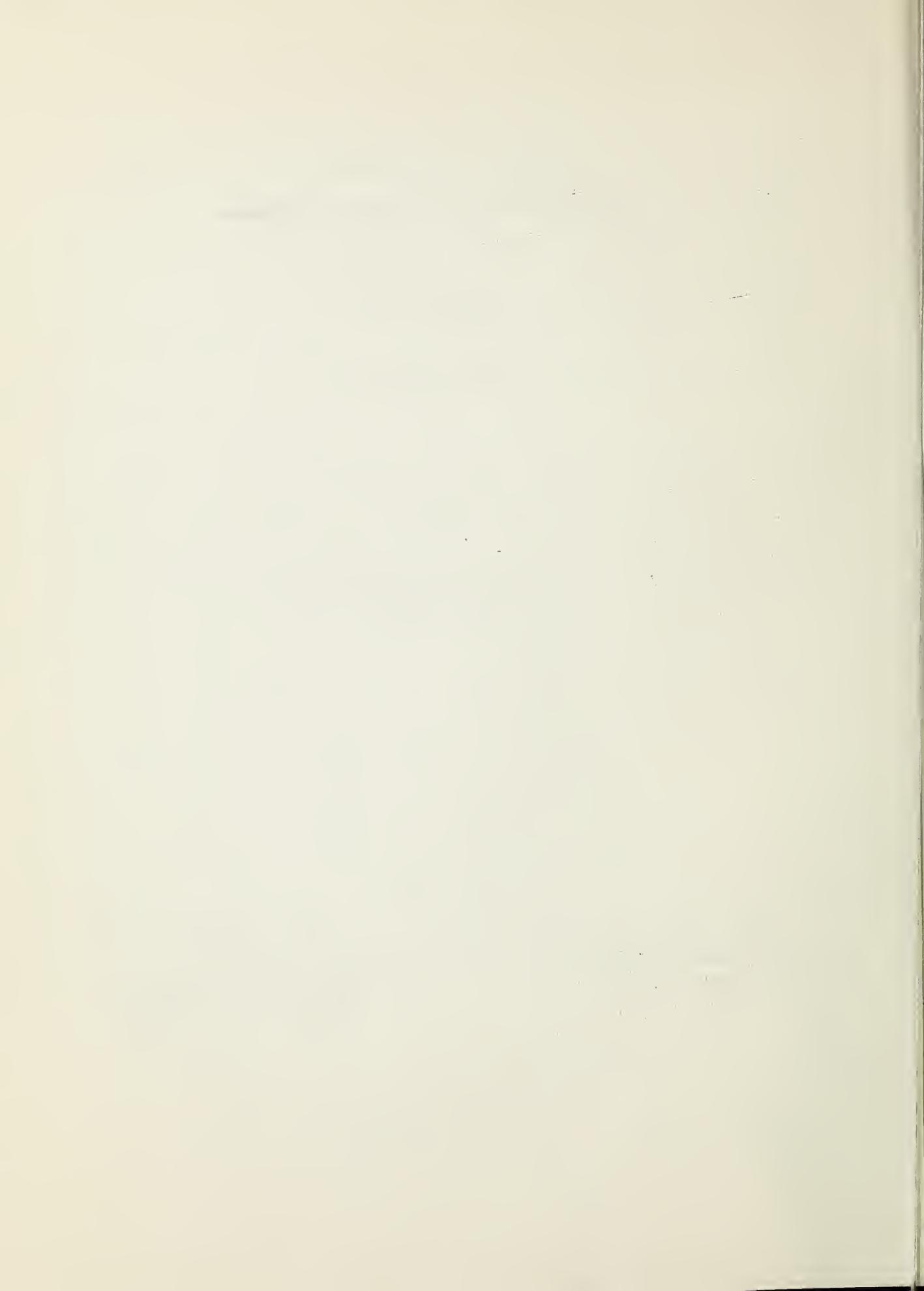
Soil Conservation Service
1479 Wells Avenue
Reno, Nevada

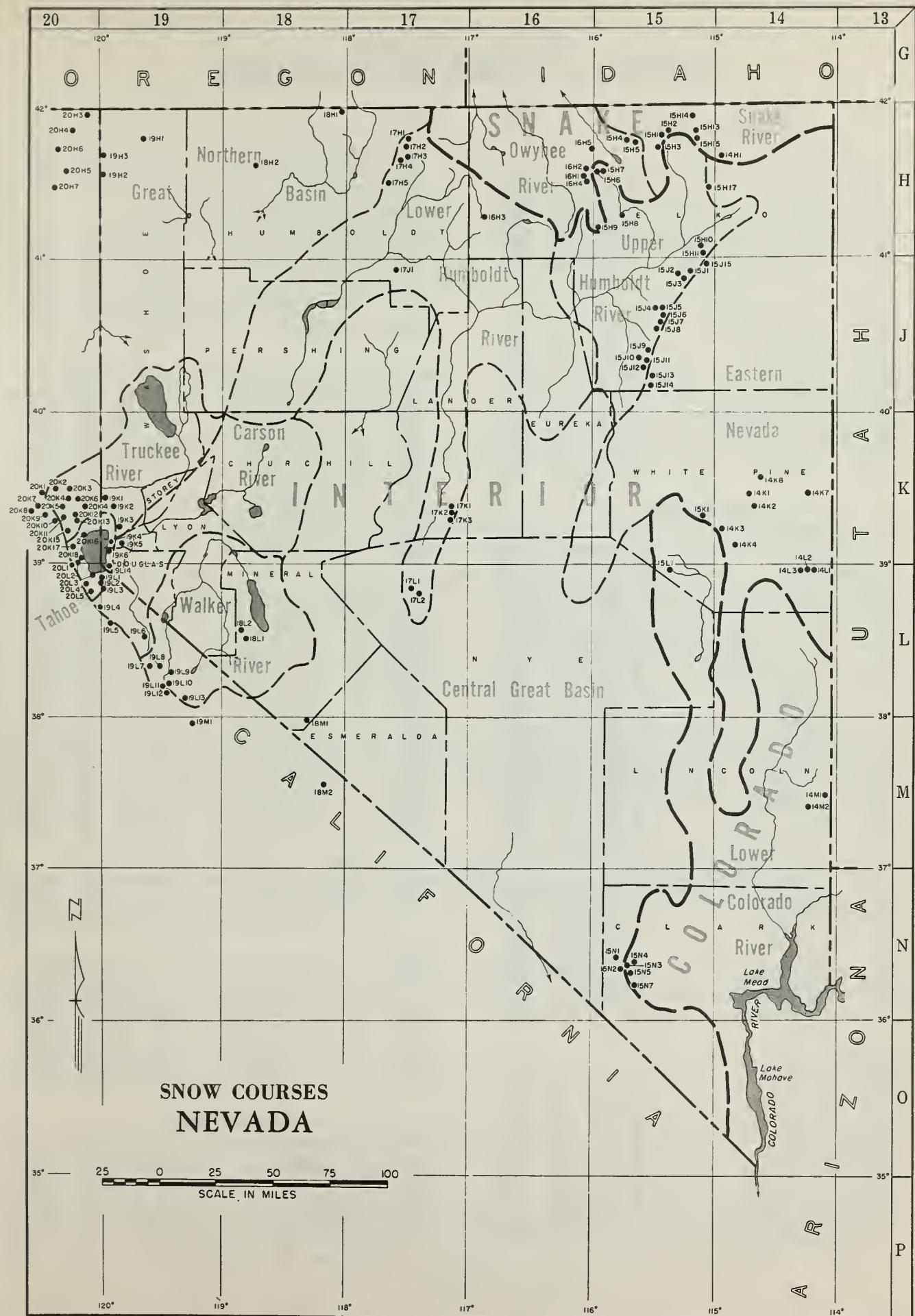
Issued By

Charles W. Cleary, Jr.
State Conservationist
Soil Conservation Service
Reno, Nevada

Hugh A. Shamberger
Director
Department of Conservation
and Natural Resources
Carson City, Nevada

February 8, 1960





INDEX to NEVADA SNOW COURSES

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.						
SNAKE RIVER BASIN																	
SNAKE RIVER						15N 2	CLARK CANYON	8	19S	56E	9000						
15H 1 BEAR CREEK		31	46N	58E	7800	15N 1	TROUGH SPRINGS	23	18S	55E	8500						
15H 2 FOX CREEK		33	46N	58E	6800	18M 1	MONTGOMERY PASS	4	1N	33E	7100						
15H 3 76 CREEK		6	44N	58E	7100	18M 2	CAMPITO MTN	19	5S	35E	10200						
15H 5* GOLD CREEK		31	45N	56E	6600	NORTHERN GREAT BASIN											
15H 4* BIG BEND		30	45N	56E	6700	19H 1	BALD MOUNTAIN	17	45N	21E	6720						
15H13 GOAT CREEK		31	46N	60E	8800	18H 1	DISASTER PEAK	8	47N	34E	6500						
15H14 POLE CREEK RANGER STATION	13	46N	59E	8330	18H 2	LEONARD CREEK	13	42N	28E	5900							
15H15 HUMMINGBIRD SPRINGS		6	45N	60E	8945	19H 3	49-MTN	7	42N	19E	6000						
14H 1 JAKES CREEK		6	42N	62E	7000	19H 2	HAYS CANYON	1	39N	18E	6400						
OWYHEE RIVER																	
17H 2* LOWER BUCKSKIN		25	45N	39E	6700	20H 4	RESERVATION CREEK	12	46N	15E	5900						
17H 1* UPPER BUCKSKIN		11	45N	39E	7200	20H 6	CEDAR PASS	12	43N	14E	7100						
17H 3* MARTIN CREEK		18	44N	40E	6700	20H 3	DISMAL SWAMP	31	48N	16E	7000						
17H 4* GRANITE PEAK		22	44N	39E	7800	20H 7	EAGLE PEAK	35	40N	15E	8300						
15H 5 GOLD CREEK		31	45N	56E	6600	LAKE TAHOE											
15H 4 BIG BEND		30	45N	56E	6700	20L 4	(CAL.) LAKE LUCILLE	28	12N	17E	8400						
15H 7 FRY CANYON		31	43N	54E	6700	20L 1	(CAL.) RUBICON #1	6	13N	17E	8100						
15H 6* RODEO FLAT		36	43N	53E	6800	19L 3	(CAL.) HAGANS MEADOW	36	12N	18E	8000						
16H 1 LOWER JACK CREEK		18	42N	53E	6800	19L 2	(CAL.) FREEBENCH	36	12N	18E	7300						
16H 2 UPPER JACK CREEK		9	42N	53E	7250	20K17	(CAL.) WARD CREEK	21	15N	16E	7000						
15H 8* TREMEWAN RANCH		9	39N	55E	5700	19L 1	(CAL.) UPPER TRUCKEE	21	12N	18E	6400						
15H 9 TAYLOR CANYON		35	39N	53E	6200	20K16	(CAL.) TAHOE CITY	6	15N	17E	6250						
16H 4 JACKS PEAK		28	42N	53E	8420	20L 2	(CAL.) RUBICON #2	6	13N	17E	7500						
16H 5 LAUREL DRAW		20	45N	53E	6700	20K18	(CAL.) RUBICON #3	32	14N	17E	6700						
INTERIOR																	
UPPER HUMBOLDT RIVER																	
15H 1* BEAR CREEK		31	46N	58E	7800	20L 3	(CAL.) RICHARDSONS #2	6	12N	18E	6500						
15H 2* FOX CREEK		33	46N	58E	6800	20L 5	(CAL.) ECHO SUMMIT	6	11N	18E	7500						
15H 3* 76 CREEK		6	44N	58E	7100	19K 4	MARLETTE LAKE	13	15N	18E	8000						
15H 5* GOLD CREEK		31	45N	56E	6600	19L14	DAGGETT'S PASS	19	13N	19E	7350						
15H 4* BIG BEND		30	45N	56E	6700	19K 6	GLENBROOK #2	13	14N	18E	6900						
15H 7 FRY CANYON		31	43N	54E	6700	19K 2*	MT. ROSE	7	17N	19E	9000						
15H 6 RODEO FLAT		36	43N	53E	6800	TRUCKEE RIVER											
16H 1* LOWER JACK CREEK		18	42N	53E	6800	20K 5	(CAL.) INDEPENDENCE LAKE	9	18N	15E	8450						
16H 2* UPPER JACK CREEK		9	42N	53E	7250	20K 1*	(CAL.) WEBBER PEAK	30	19N	14E	8000						
15H 8 TREMEWAN RANCH		9	39N	55E	5700	20K10*	(CAL.) DONNER SUMMIT	25	17N	14E	6900						
15H 9* TAYLOR CANYON		35	39N	53E	6200	20K17*	(CAL.) WARD CREEK	21	15N	16E	7000						
15H10 LOWER TROUT CREEK		28	37N	61E	6900	20K 2	(CAL.) WEBBER LAKE	20	19N	14E	7000						
15H11 UPPER TROUT CREEK		4	36N	61E	8500	20K 6	(CAL.) SAGE HEN CREEK	7	18N	16E	6500						
15J 1 DORSEY BASIN		28	35N	60E	8100	20K16*	(CAL.) TAHOE CITY	6	15N	17E	6250						
15J 2 RYAN RANCH		1	34N	59E	5800	20K13	(CAL.) TRUCKEE #2	22	17N	16E	6400						
15J 3 DRY CREEK		5	34N	60E	6500	20K 3	(CAL.) INDEPENDENCE CREEK	14	19N	15E	6500						
15J 4 LAMIDILLE #1		15	32N	58E	7100	20K14	(CAL.) BDCA #2	28	18N	17E	5900						
15J 5 LAMOILLE #2		14	32N	58E	7300	20K 8*	(CAL.) FURNACE FLAT	10	17N	13E	6600						
15J 6 LAMOILLE #3		24	32N	58E	7700	20K 7*	(CAL.) FORDYCE LAKE	34	18N	13E	6500						
15J 7 LAMIDILLE #4		19	32N	59E	8000	20K 9*	(CAL.) SODA SPRINGS	23	17N	14E	6750						
15J 8 LAMOILLE #5		31	32N	59E	8700	20K 4	(CAL.) INDEPENDENCE CAMP	34	19N	15E	7000						
15J 9 GREEN MOUNTAIN		23	29N	57E	8000	19K 2	MT. ROSE	7	17N	19E	9000						
15J10 HARRISON PASS #1		9	28N	57E	6600	20K12	(CAL.) TRUCKEE RANGER STA.	10	17N	16E	6000						
15J11 HARRISON PASS #2		16	28N	57E	7400	20K11	(CAL.) DONNER LAKE	14	17N	15E	5950						
15J12 CORRAL CANYON		27	28N	57E	8500	19K 1	BIG MEADOWS	15	18N	18E	8800						
LOWER HUMBOLDT RIVER																	
17H 2 LOWER BUCKSKIN		25	45N	39E	6700	19K 3	LITTLE VALLEY	17	16N	19E	6300						
17H 1 UPPER BUCKSKIN		11	45N	39E	7200	20K15	(CAL.) SQUAW VALLEY	6	15N	16E	7500						
17H 3 MARTIN CREEK		18	44N	40E	6700	CARSON RIVER											
17H 4 GRANITE PEAK		22	44N	39E	7800	19L 4	(CAL.) CARSON PASS	22	10N	18E	8600						
17H 5 LAMANCE CREEK		13	42N	38E	6000	19L 6	(CAL.) POISON FLAT	25	8N	21E	7900						
16H 3 MIDAS		18	39N	46E	7200	19L 5	(CAL.) BLUE LAKES	30	9N	19E	8000						
17K 1 BIG CREEK CAMP GROUND		10	17N	43E	6600	19K 5	CLEAR CREEK	16	14N	19E	7300						
17K 2 BIG CREEK MINE		23	17N	43E	7600	WALKER RIVER											
17K 3 UPPER BIG CREEK		26	17N	43E	8000	19L12	(CAL.) CENTER MOUNTAIN	4	3N	23E	9400						
17L 1 LOWER CORRAL		12	11N	40E	7500	19L 7	(CAL.) SONORA PASS	1	5N	21E	8800						
17L 2 UPPER CORRAL		20	11N	41E	8500	19L11	(CAL.) BUCKEYE FORKS	20	4N	23E	8500						
17J 1 GOLCONDA		22	25N	39E	6000	19L13	(CAL.) VIRGINIA LAKES	5	2N	25E	9500						
EASTERN NEVADA																	
15J15 HOLE-IN-MTN		6	35N	61E	7900	19L 9	(CAL.) WILLOW FLAT	21	5N	23E	8250						
15J13 CAVE CREEK		25	27N	57E	7500	19L10	(CAL.) BUCKEYE ROUGHS	15	4N	23E	7900						
15J14 HAGER CANYON		34	27N	57E	8000	19L 8	(CAL.) LEAVITT MEADOWS	4	5N	22E	7200						
14K 3 MURRAY SUMMIT		25	16N	62E	7250	19M 1*	(CAL.) TIoga PASS	30	1N	25E	9900						
14L 1 BAKER #1		29	13N	69E	7950	18L 1	LAPON MEADOW	36	8N	28E	9000						
14L 2 BAKER #2		30	13N	69E	8950	18L 2	MT. GRANT	23	8N	28E	9000						
14L 3 BAKER #3		25	13N	68E	9250	COLORADO											
14K 2 BERRY CREEK		26	17N	65E	9100	15N 5	KYLE CANYON	26	195	56E	8200						
14K 1 BIRD CREEK		34	19N	65E	7500	15N 4	LEE CANYON #1	10	195	56E	8300						
15K 1 ROBINSON SUMMIT		34	18N	61E	7600	15N 3	LEE CANYON #2	9	195	56E	9000						
14K 4 WARD MOUNTAIN		25	15N	62E	7875	15N 7	RAINBOW CANYON #2	6	20S	57E	8100						
14K 7 SILVER CREEK #2		30	16N	69E	8000	14M 1	MATHEW CANYON	11	55	70E	6000						
14K 8 KALAMAZOO CREEK		34	20N	65E	7400	14M 2	PINE CANYON	11	65	69E	6200						
15L 1* WHITE RIVER #1		31	13N	59E	7400	15L 1	WHITE RIVER #1	31	13	59E	7400						

* LOCATED ON ADJACENT WATERSHED

WATER SUPPLY OUTLOOK
FOR NEVADA

February 1, 1960

Unless the mountain snowpack increases at an above normal rate during the next two months Nevada's ranchers and farmers can expect limited water supplies. Water users served from reservoirs will have better water supplies than those diverting water directly from streams. All water users should exercise extra care in irrigation practices to get the greatest benefit from their water supply.

In northern Nevada on the Snake River watershed the mountain snowpack is comparable to last year's snowpack and is 80 percent of the 15-year (1943-57) February 1 average. On the Owyhee River watershed the snow-stored water is 123 percent of last year and only 58 percent of average. Soils are dry. Assuming normal snowfall during the remainder of the winter, April-July streamflow is forecasted as follows:

Owyhee near Gold Creek 11,000 A.F. 42% (1943-57 average)
 Owyhee near Owyhee 40,000 A.F. 46% (1943-57 average)

Wild Horse Reservoir is not expected to fill.

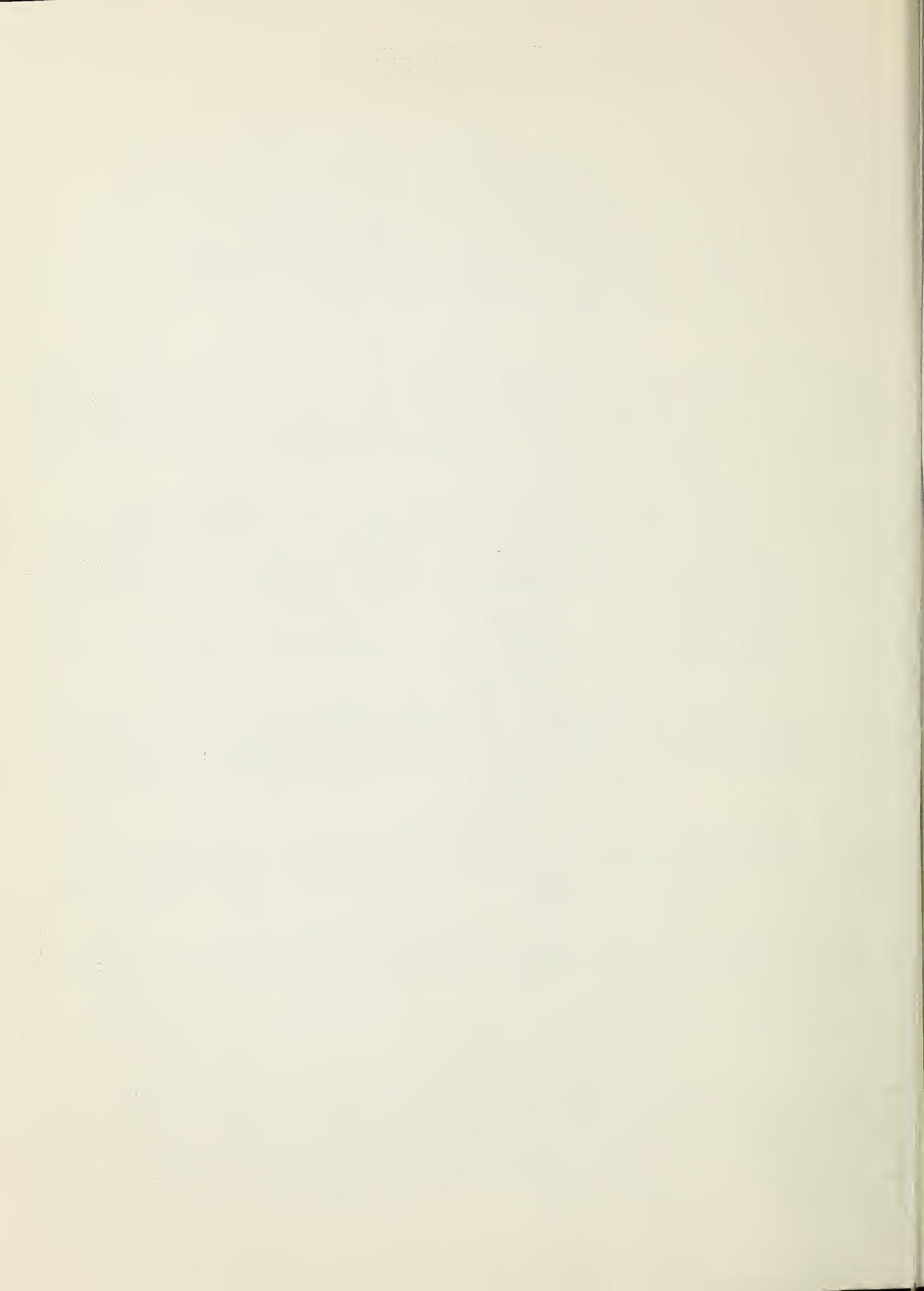
Snow-stored water on the Upper Humboldt River is better than last year at 139 percent; but is only 65 percent of the 1943-57 February 1 average. Dry soil will remove a significant amount of snow-melt water before runoff occurs. The U. S. Geological Survey reports runoff of the Humboldt at Palisade totaled 1,790 acre feet which is 41 percent of median.

In the Santa Rosa Mountains and the Upper Quinn River areas the snowpack is better than last year this date. Valley precipitation has been below normal to date. Soils are reported to be dry. Rye Patch Reservoir storage is 22,000 acre feet which is 23 percent of average.

In the Sierras, snow surveys in the Lake Tahoe basin show the snowpack at 135 percent of last year and 49 percent of February 1 average. Elevation of Lake Tahoe February 1 was 6225.02 which is 52 percent of average. Soils are damp to dry.

The Truckee River watershed mountain snowpack is 191 percent of last year and 69 percent of the 1943-57 February 1 average.

Snow cover decreases from north to south in the Sierras with the Carson River at 42 percent of normal snowpack and the Walker River at 31 percent. Both watersheds have less snow than last year at this date. The West Walker near Coleville, California is forecasted to flow 60,000 acre feet during April-July which is 40 percent of average. Topaz Reservoir storage is 11,000 acre feet and Bridgeport Reservoir storage is 14,000 acre feet. Lahontan Reservoir contains 90,000 acre feet which is 45 percent of average.



In southeastern Nevada, Pine and Mathew Canyon snow courses are 158 percent of average. Fall precipitation in the Las Vegas area was above normal. January precipitation at Las Vegas was 103 percent of normal.

State-wide reservoir storage is poor due to last summer's drawdowns and low inflow during the fall. Stored water is 47 percent of average and 29 percent of capacity.



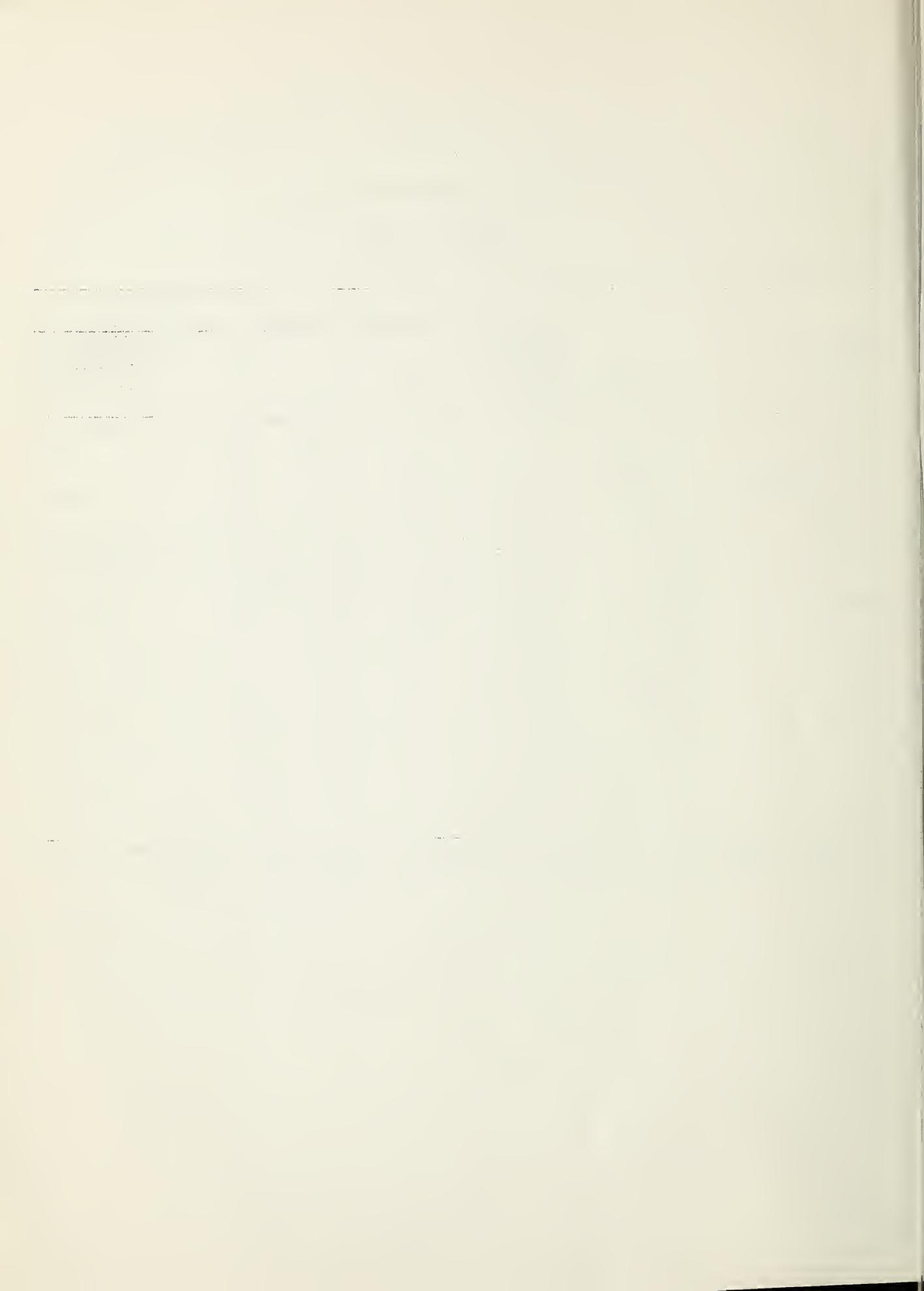
NEVADA

STATUS OF RESERVOIR STORAGE

FEBRUARY 1, 1960

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1960	1959	1958	FEBRUARY 1 15-YR. AVE. 1943-57
Owyhee	Wild Horse	33	9	21	27	12
Lower Humboldt	Rye Patch	179	22	115	70	95
Colorado	Mohave	1,810	1,780	1,678	1,541	New Reservoir*
Colorado	Mead	27,217	19,283	21,515	20,013	17,464
Tahoe	Tahoe	732	242	523	526	461
Truckee	Boca	41	10	4	4	10
Carson	Lahontan	286	90	202	178	198
West Walker	Topaz	59	11	45	24	36
East Walker	Bridgeport	42	14	37	24	30

* Storage began in 1950. The 1950-57 average is 1,427,000 acre feet.

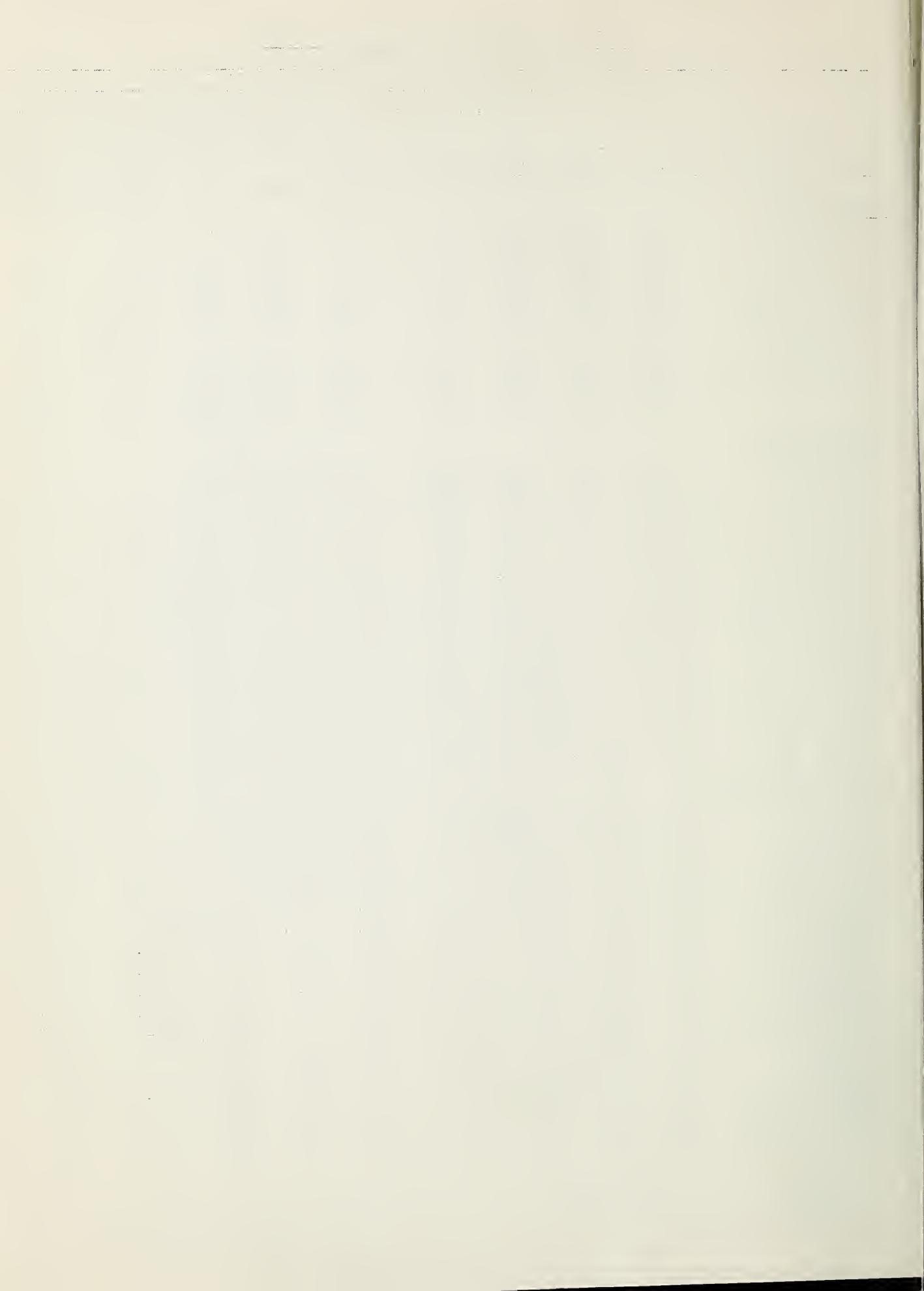


NEVADA SNOW SURVEYS FEBRUARY 1, 1960

DRAINAGE BASIN and SNOW COURSE	No.	Elev. (Ft.)	Date of Survey	SNOW COVER MEASUREMENTS						
				Snow Depth: (In.)	Water Content: (In.)	Past Record		1943-57	in 1943-57	
						1960	1959	1958	Avg.	Average
SNAKE RIVER										
Bear Creek	15H1	7800	1/26	29	7.5	10.7	12.1	-	-	3
*Big Bend	15H4	6700	1/29	18	3.8	3.0	8.2	8.4	-	10
Fox Creek	15H2	6800	1/26	18	4.1	4.6	8.0	-	-	3
Goat Creek	15H13	8800	1/27	28	6.8	7.6	12.4	-	-	3
*Gold Creek	15H5	6600	1/29	14	3.1	2.4	7.0	4.8	-	9
Hummingbird Springs	15H15	8945	1/27	32	6.9	8.2	14.4	-	-	3
Pole Creek R.S.	15H14	8330	1/27	29	6.6	8.9	13.0	-	-	3
76-Creek	15H3	7100	1/29	19	4.0	4.9	10.4	-	-	3
OWYHEE RIVER										
*Bear Creek	15H1	7800	1/26	29	7.5	10.7	12.1	-	-	3
Big Bend	15H4	6700	1/29	18	3.8	3.0	8.2	8.4	-	10
*Fox Creek	15H2	6800	1/26	18	4.1	4.6	8.0	-	-	3
Fry Canyon	15H7	6700	2/1	19	4.2	1.2	9.7	6.6	-	8
Gold Creek	15H5	6600	1/29	14	3.1	2.4	7.0	4.8	-	9
*Granite Peak	17H4	6700	1/27	24	5.8	5.6	11.6	-	-	2
Jacks Peak	16H4	8420	2/1	34	8.5			New Course		
Lower Jack Cr.	16H1	6800	2/1	15	3.1	1.5	6.7	-	-	2
*Martin Creek	17H3	6700	1/27	22	4.9	4.2	6.8	-	-	2
*Rodeo Flat	15H6	6800	2/1	18	4.0	0.8	9.7	6.1	-	8
*76-Creek	15H3	7100	1/29	19	4.0	4.9	10.4	-	-	3
Taylor Canyon	15H9	6200	2/2	21	3.9	1.9	5.2	-	-	2
*Tremewan Ranch	15H8	5700	2/2	9	1.8	0.0	2.1	-	-	3
Upper Jack Cr.	16H2	7250	2/1	25	5.8	4.6	11.6	-	-	2
Laurel Draw	16H5	6700	2/3	23	4.8	3.0		New Course		
UPPER HUMBOLDT RIVER										
*Bear Creek	15H1	7800	1/26	29	7.5	10.7	12.1	-	-	3
*Big Bend	15H4	6700	1/29	18	3.8	3.0	8.2	8.4	-	10
*Fox Creek	15H2	6800	1/26	18	4.1	4.6	8.0	-	-	3
Fry Canyon	15H7	6700	2/1	19	4.2	1.2	9.7	6.6	-	8
*Gold Creek	15H5	6600	1/29	14	3.1	2.4	7.0	4.8	-	9
Jacks Peak	16H4	8420	2/1	34	8.5			New Course		
Lamoille #1	15J4	7100	2/4	26	6.2	3.0	9.2	7.0	-	5
Lamoille #2	15J5	7200	2/4	26	6.2	3.6	9.3	5.8	-	5
Lamoille #3	15J6	7700	2/4	29	6.7	4.2	9.9	8.2	-	5
Lamoille #4	15J7	8000	2/4	31	7.0	-	14.7	12.2	-	5
Lamoille #5	15J8	8700	2/4	35	9.2	-	23.2	19.1	-	5
*Lower Jack Cr.	16H1	6800	2/1	15	3.1	1.5	6.7	-	-	2
Rodeo Flat	15H6	6800	2/1	18	4.0	0.8	9.7	6.1	-	8
*76-Creek	15H3	7100	1/29	19	4.0	4.9	10.4	-	-	3
*Taylor Canyon	15H9	6200	2/2	21	3.9	1.9	5.2	-	-	2
Tremewan Ranch	15H8	5700	2/2	9	1.8	0.0	2.1	-	-	3
*Upper Jack Cr.	16H2	7250	2/1	25	5.8	4.6	11.6	-	-	2

* Located on adjacent drainage

** Averages not computed for snow courses with less than 5 years of record in the 1943-57 period.



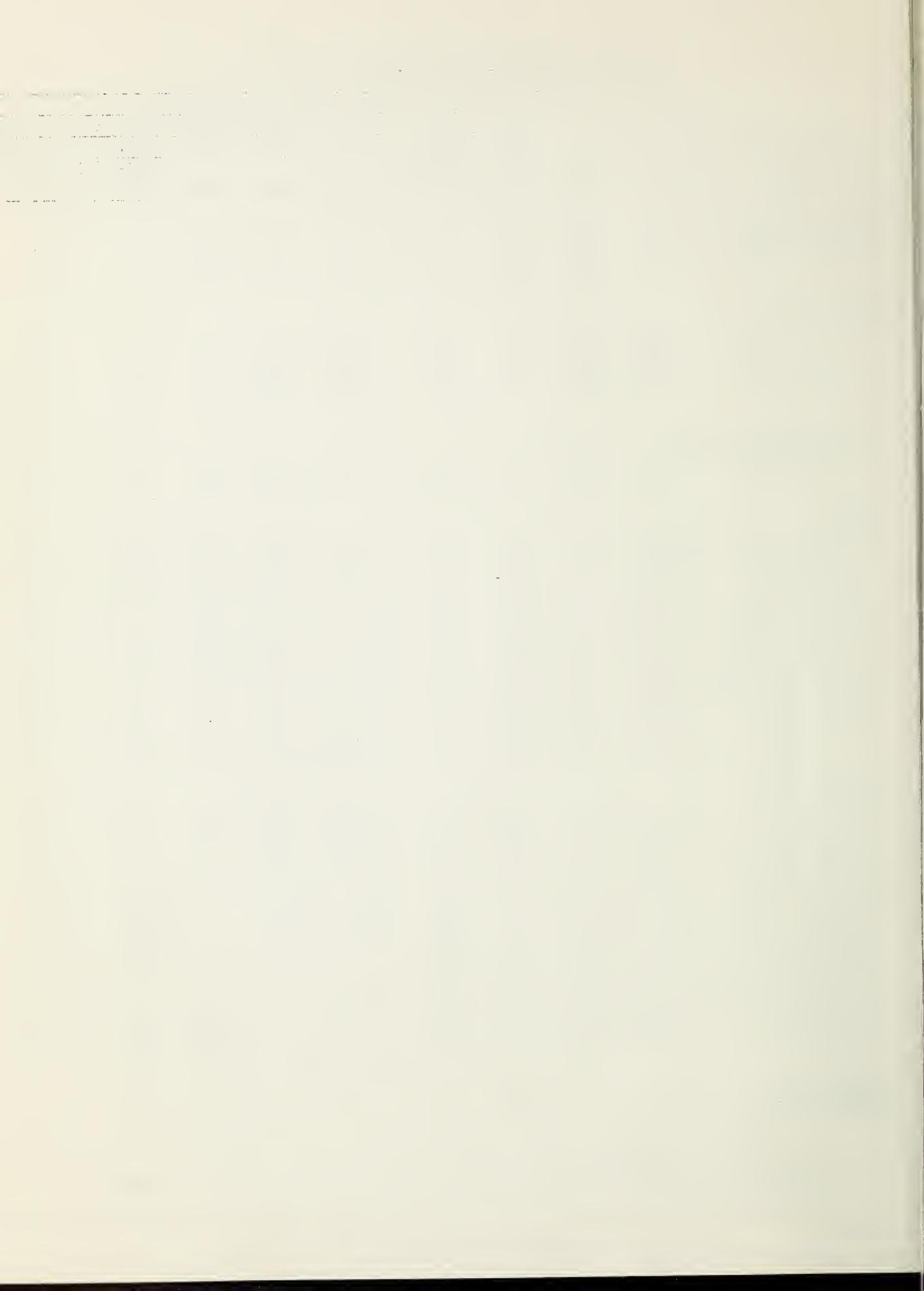
NEVADA SNOW SURVEYS FEBRUARY 1, 1960

DRAINAGE BASIN and SNOW COURSE		Elev. (Ft.)	Date of Survey	SNOW COVER MEASUREMENTS					No. Yrs. 1943-57 in 1943-57
				1960 Snow Depth (In.)	Water Content (In.)	1959	1958	P a s t R e c o r d Water Content (In.) Avg. Average **	
<u>LOWER HUMBOLDT RIVER</u>									
Granite Peak	17H4	7800	1/27	24	5.8	5.6	11.6	-	2
Martin Creek	17H3	6700	1/27	22	4.9	4.2	6.8	-	2
<u>QUINN RIVER</u>									
Louise Canyon	17G4	6440	2/3	13	3.0 ^e	1.7 ^e	-	-	0
Oregon Canyon	17G5	7240	2/3	19	4.4 ^e	1.3 ^e	-	-	0
Quinn Ridge	17H6	6300	2/3	16	3.7 ^e	1.4 ^e	-	-	0
Trout Creek	18G3	7800	1/29	12	2.8 ^e	2.0 ^e	-	-	0
<u>LOWER COLORADO RIVER</u>									
Mathew Canyon	14M1	6000	1/29	13	4.2	0.0	0.0	2.7	6
Pine Canyon	14M2	6200	1/30	12	4.2	0.0	0.0	2.6	8
<u>TAHOE</u>									
Daggetts Pass	19L14	7350	1/27	15	3.5	1.5	7.9	8.5	8
Echo Summit	20L5	7500	1/29	44	11.4	12.6	20.0	26.6	15
Freel Bench	19L2	7300	1/28	16	4.6	-	-	11.7	5
Glenbrook #2	19K6	6900	2/3	18	4.4	3.0	7.9	10.5	5
Hagans Meadow	19L3	8000	1/28	22	6.0	-	-	-	4
Marlette Lake	19K4	8000	1/27	28	6.2	5.5	15.7	14.9	9
Richardsons #2	20L3	6500	2/3	29	7.4	5.8	13.0	15.2	7
*Squaw Valley #2	20K19	7500	2/2	77	26.6	-	-	-	2
Tahoe City	20K16	6250	1/29	21	6.3	1.8	9.1	9.4	14
Upper Truckee	19L1	6400	1/28	13	3.8	-	-	9.5	8
Ward Creek	20K17	7000	1/29	60	17.9	12.2	24.8	28.7	7
<u>TRUCKEE RIVER</u>									
Boca #2	20K14	5900	1/29	16	4.3	0.0	8.8	7.9	8
Donner Lake #1	20K11	5950	1/29	32	10.7	5.8	16.9	15.8	11
Donner Park #2	20K21	6000	1/29	32	9.4	5.4	-	-	0
*Donner Summit	20K10	6900	2/3	65	21.0	10.9	20.0	25.7	15
*Fordyce Lake	20K7	6500	2/3	54	18.0	11.0	-	23.4	14
*Furnace Flat	20K8	6600	2/3	76	23.9	12.9	-	26.6	14
Sage Hen Creek	20K6	6500	2/1	32	9.9	6.0	10.4	15.7	11
*Soda Springs	20K9	6750	Abandoned		13.0	19.3	24.0	-	15
Squaw Valley #2	20K19	7500	2/2	78	26.6	-	-	-	2
Tahoe City	20K16	6250	1/29	21	6.3	1.8	9.1	9.4	14
Truckee #2	20K13	6400	2/1	32	9.1	4.4	10.6	11.9	6
*Ward Creek	20K17	7000	1/29	60	17.9	12.2	24.8	28.7	7
<u>CARSON RIVER</u>									
Carson Pass	19L4	8600	1/30	32	9.4	14.8	20.8	22.4	15

* Located on adjacent drainage.

** Averages not computed for snow courses with less than 5 years of record in the 1943-57 period.

e Aerial marker, water content estimated



NEVADA SNOW SURVEYS FEBRUARY 1, 1960

DRAINAGE BASIN and SNOW COURSE	No.	Elev. (Ft.)	Date of Survey	SNOW COVER MEASUREMENTS					No. Yrs. 1943-57 in 1943-57	
				1960		Past Record				
				Snow : Depth: (In.)	Water Content: (In.)	1959	1958	Avg.		
<u>WALKER RIVER</u>										
Sonora Pass	19L7	8800	1/26	29	5.9	7.8	14.2	-	4	
Tioga Pass	19M1	9900	1/26	23	6.3	8.4	12.7	20.5	9	
Virginia Lakes	19L13	9500	1/26	24	4.2	4.3	9.2	-	4	
<u>WHITE MOUNTAINS</u>										
Campito Mtn.	18M2	10200	1/27	1	T	0.0	-	-	0	
Montgomery Pass	18M1	7100	1/28	6	1.2	0.0	-	-	0	
<u>NORTHERN GREAT BASIN (Surprise Valley)</u>										
Barber Creek	20H2	6500	1/29	19	4.1	4.8	9.6	-	0	
*Dismal Swamp	20H3	7000	1/21	24	5.5 ^e	5.7 ^e	11.7 ^e	-	0	
49-Mountain	19H3	6000	1/28	18	4.0	1.4	1.8	-	0	
Hays Canyon	19H2	6400	1/28	11	2.7	1.5	3.8	-	0	
Reservation Cr.	20H1	5900	1/29	22	5.3	3.7	11.1	-	0	
Cedar Pass	20H6	7100	2/2	33	8.4	3.5	13.4	10.8	13	

* Located on adjacent drainage.

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e Aerial marker, water content estimated.

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

Soil Conservation Service
Forest Service
Geological Survey
Bureau of Reclamation
Fish and Wildlife Service
Army
Navy
Weather Bureau
Agricultural Research Service

STATE

Nevada Department of Conservation & Natural Resources
Division of Water Resources
Nevada State Forester-Firewarden
Nevada Cooperative Snow Surveys
Colorado River Commission of Nevada
California Cooperative Snow Surveys
California Department of Water Resources
Oregon Cooperative Snow Surveys
Nevada Association of Soil Conservation Districts

PRIVATE

Walker River Irrigation District
Amalgamated Sugar Company
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Virginia City Water Company
Kennecott Copper Corporation
Squaw Valley Development Company
Pacific Gas & Electric Company
Nevada Irrigation District
Sierra Pacific Power Company
Washoe County Water Conservation District
Truckee-Carson Irrigation District
Pershing County Water Conservation District

Other organizations and individuals furnish valuable
information for the snow survey reports. Their
Cooperation is gratefully acknowledged.

Federal - State - Private
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*“The Conservation of Water begins
with the Snow Survey”*